

ABSTRACT OF THE DISCLOSURE

A method for problem solving in a computer system includes an applications module for sending a problem statement to a complexity module, which configures a solving module with configuration parameters and also determines expected problem solver behavior. The solving module selects a set of parameter configuration vectors, determines a set of search space points, performs a partial search based on the parameter configuration vectors, and determines actual problem solver behavior. The solving module then determines whether a problem solution has been found, whether to perform a solver iteration step or request a complexity module to perform an adaptation step.